

TB-0122
Date Printed: 10/24/95

Page 1 of 7

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

TEC Incorporated
H.B. Fuller Company Subsidiary
315 South Hicks Road
Palatine, IL 60067
Phone: 1-708-358-9500
Fax: 1-708-358-9510

MSDS INFORMATION

Preparation Date: 10/24/95
Supersedes: None
Prepared By: Industrial Hygiene
Phone: 612-481-4842

Medical Emergency Phone Number: 1-800-228-5635 ext 018
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Name/Number: TB-0122, Ceramic Wall & Tile Adhesive
Product Description (product use): Mastic

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number	Percent	OSHA PEL	ACGIH TLV
Ethylene glycol (107-21-1) LD50: 4700 mg/kg (oral, rat)	1-5% LC50: No data found	50 ppm-C No data found	50 ppm-C
Hydrocarbon oil LD50: No data found	1-5% LC50: No data found	5 mg/M3* No data found	5 mg/M3*
*These exposure limits are for mineral oil mist, a material related to hydrocarbon oil mist. ACGIH STEL: 10 mg/M3			
Stoddard solvent (8052-41-3) (Mineral spirits) LD50: No data found	1-5% LC50: No data found	100 ppm No data found	100 ppm
Vapor pressure, in mm Hg @ 20 C: 2			

"C" denotes a ceiling limit that should not be exceeded during any part of the working exposure.

See Section 16 for additional information.

Date Printed: 10/24/95

Page 2 of 7

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Possible cancer hazard. Contains a chemical which may cause cancer.
Repeated exposure may lead to respiratory sensitization.
No specific warnings for normal use conditions.

POTENTIAL HEALTH EFFECTS

Eyes: Contact with the product or high vapor levels will cause irritation.

Skin: Prolonged or repeated contact with liquid product may cause irritation.

Inhalation: Repeated exposure may lead to respiratory sensitization. Overexposure to vapors in poorly ventilated areas may cause dizziness, headaches, nausea or unconsciousness.

Ingestion: Harmful if swallowed.

Chronic: When the product is in its final form and is abraded or disturbed, dusting may occur and crystalline silica may be released into the air. Long-term overexposure to crystalline silica may cause permanent lung damage and reduced pulmonary function.

Overexposure to ethylene glycol may cause liver abnormalities, kidney damage, and central nervous system effects.

REGULATED CARCINOGEN STATUS:

Crystalline silica is listed as a potential carcinogen by NTP and IARC.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

SECTION 4: FIRST AID MEASURES

If in eye: Flush immediately with water for 15 minutes. Consult a physician if irritation persists.

If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

If vapors inhaled: Remove subject to fresh air.

If ingested: If person can swallow, give one glass of water or milk.
Do not induce vomiting. Get immediate medical attention.
Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: Non-flammable

TB-0122

Date Printed: 10/24/95

Page 3 of 7

Upper Explosive Limit/Lower Explosive Limit: Not applicable

Autoignition Temperature: Not applicable

Appropriate Extinguishers: Non-flammable in liquid state; use water spray, foam, dry chemical or carbon dioxide on dried product.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide, nitrogen compounds

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

SECTION 7: HANDLING AND STORAGE

HANDLING INFORMATION

Wear appropriate protective equipment when working with this product.

STORAGE INFORMATION

Avoid temperature extremes in storage.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.

Skin Protection: Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: General dilution ventilation

TB-0122

Date Printed: 10/24/95

Page 4 of 7

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Paste
Color:	Off White
Odor:	Slight Solvent
Odor Threshold:	Not established
Weight per Gallon:	11.2
Specific Gravity:	1.34
% Solids by Weight:	66
pH:	7.8
Boiling Range:	Greater than 200 F (93 C)
Freezing/Melting Point:	Not established
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Water/Oil Partition Coefficient:	Not established

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not established

Hazardous Decomposition:
Nitrogen compounds

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

This product contains small amounts of arsenic compounds. Leachate tests have not been performed. Consult your state, local or provincial authorities for disposal recommendations.

TB-0122

Date Printed: 10/24/95

Page 5 of 7

SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: Adhesives, NMFC Item #4620 Sub 5
DOT Hazard Class/I.D. Code: None, None
DOT Label: None
DOT Packaging Group: None

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 4 - Test Rule

This product contains the following chemical substance(s) that is(are) subject to a Section 4 Test Rule:

107-21-1 Ethylene glycol

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substances Control Act.

Section 12(b) - Export Notice Requirements

This product contains a chemical substance that is currently on the EPA's Section 12(b) Export List. Within seven days of entering into a contract to export and certainly no later than the day of export, the agent of export must notify the EPA of their intent.

Contact the H.B. Fuller TSCA Compliance Manager at 612/481-4816 for the identity of the Section 12(b) chemical(s).

SARA TITLE III

Section 313: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372:

Chemical Name	Chemical Number	Percent
Ethylene glycol	107-21-1	1-5%

TB-0122

Date Printed: 10/24/95

Page 6 of 7

STATE REGULATIONS

California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains chemical(s) known to the state of California to cause cancer (c) or reproductive (r) damage.

<0.0002% Arsenic compounds (inorganic)	
listed February 27, 1987	
<0.0026% Benzene (c)	71-43-2
listed February 27, 1987	
0.1-1.0% Crystalline silica (c)	14808-60-7
listed October 1, 1988	
<0.0001% 1,4 dioxane (c)	121-14-2
listed July 1, 1988	
<0.0002% Lead (c)(r)	7439-92-1
listed February 27, 1987	

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

D1B

SECTION 16: ADDITIONAL INFORMATION

This product contains limited amounts of residual monomer. Under normal handling and use conditions the residual monomer should not present a hazard. In storage the monomer will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for confined space entry should be completed prior to performing any work in a bulk storage tank.

This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

30-50% Calcium carbonate (1317-65-3)
 Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
 Exposure limit respirable dust 5 mg/M3 (OSHA)
 LD50: No data found LC50: No data found

0.1-1.0% Silica-crystalline (14808-60-7)
 Exposure limit respirable dust 0.1 mg/M3 (OSHA) 0.1 mg/M3 (ACGIH)
 LD50: No data found LC50: No data found

TB-0122

Date Printed: 10/24/95

Page 7 of 7

HMIS RATING

Health-1 Flammability-1 Reactivity-0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company makes no warranty, express or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the H.B. Fuller Company assumes no responsibility from use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.